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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/540,319	06/21/2005	Hee-Boong Park	DYNE19.001APC	1309
20995	7590	04/28/2010	EXAMINER	
KNOBBE MARLENS OLSON & BEAR LLP			LAMPRECHT, JOEL	
2040 MAIN STREET				
FOURTEENTH FLOOR			ART UNIT	PAPER NUMBER
IRVINE, CA 92614				3737
			NOTIFICATION DATE	DELIVERY MODE
			04/28/2010	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/540,319	Applicant(s) PARK, HEE-BOONG
	Examiner JOEL M. LAMPRECHT	Art Unit 3737

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If no period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 18 January 2010.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 17-29 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 17-29 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO/SB/08) _____
Paper No(s)/Mail Date 9/9/09

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____

5) Notice of Informal Patent Application

6) Other: _____

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 9/9/09 has been entered and the notice of non-compliant amendment withdrawn.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 17-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Anderson et al (US 2006/0241423 A1) in view of Shmulewitz (US 5,664,573).

Anderson et al disclose an apparatus for ultrasound examination of a deformable object comprising a support frame (Figure 1, element 108 [0028-0030]), movable means with a flat surface installed in the frame to move forward and backward longitudinally in the frame [0030, 0035, 36], a driving means for moving the movable means, an ultrasonic probe disposed to extend widthwise of the movable means (Fig 2, 4b, [0040-

0044]), an ultrasonic wave transmission/reception surface (Fig 4a/b) including gel pads (Fig 8) of the ultrasonic probe flush with upper surface and fixed to the movable means (Fig 4a/b), the moveable means comprising a plurality of links having a flat surface (Fig 4a/b Element 402), and a pair of rollers and supports for the ends of the links, where driving means is supplied and the ultrasonic probe is fixed between two of the links [0039-0042] (Fig 4a/b). The probe is a linear array transducer [0041], the height of the frame can be adjusted (Fig 1), and there also exists pressing means to the height adjusting means to press the deformable object on the flat surface of the movable means [0037-0040]. Also, a stand exists for supporting the height adjusting means (Fig 1 Element 102, Fig 1 Element 108 [0030]), and a rotational shaft is supplied [0030-0033], having one end supported rotatable by the stand and the other end fixed to a side surface of the height adjusting means [0031]. Anderson et al also disclose a frequency based phased array scanning probe [0041-0043], a height adjusting means for supporting the frame and pressing means fixed to a height adjusting (Figure 1) means for pressing the deformable object placed on the flat surface of the movable means (Figure 2,3), and a stand for supporting the height adjusting means, along with rotational shaft having one end supported rotably by the stand and the other end fixed to the height-adjusting means (Claim 3, [0031-0032]) which is opposite to a side surface of the height adjusting means with the frame installed thereon.

Anderson et al do not disclose the use of an endless loop structure comprising rollers for the transducer, as their transducer uses a drive motor for lateral movement. Attention is directed to the teaching reference by Shmulewitz in the same area of

endeavor which discloses a drive track comprising an infinite loop including a linear portion, at least 2 curved portions, rollers, and a planar upper region of the loop structure to allow for transitory scanning of the breast during imaging (Fig 1, 7 Col 6 Line 65- Col 9 Line 12, and Col 9 Line 51-Col 10 Line 43). It would have been obvious to one of ordinary skill in the art at the time of the invention to have utilized the endless loop structure of Shmulewitz with the system and methods of Anderson et al for the purpose of allowing for precise proximal and distal positioning of the transducers during examination (Col 10 Line 5-28).

Response to Arguments

Applicant's arguments with respect to claims 17-29 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOEL M. LAMPRECHT whose telephone number is (571)272-3250. The examiner can normally be reached on 8:30-5:00 Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian L. Casler can be reached on (571) 272-4956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/BRIAN CASLER/
Supervisory Patent Examiner, Art
Unit 3737

JML